

LISTING OF THE CLAIMS:

Claim 1 (Previously Presented): A method for treating the surface of an aluminum alloy high-temperature processed article, comprising heating an aluminum alloy containing Mg at a high temperature of 200°C or above, etching the surface by a single step process of exposing the surface to an aqueous solution containing a chelating agent wherein the aqueous solution consists of a solution having a pH of 7 or higher, and then carrying out hydration oxidation treatment.

Claim 2 (Currently Amended): A method for treating the surface of an aluminum alloy high-temperature processed article, ~~comprising~~ consisting essentially of processing an aluminum alloy containing Mg at a high temperature of 200°C or above to form the alloy into a processed article ~~having a final shape~~, etching the surface of the processed article with an aqueous solution containing a chelating agent, and then carrying out coating type chromating, wherein an oxide layer is formed on the surface of the article during the step of processing the aluminum alloy containing Mg, and wherein the oxide layer is decreased or removed by the step of etching the surface of the processed article with an aqueous solution containing a chelating agent.

Claim 3 (Withdrawn): A method for treating the surface of an aluminum alloy high-temperature processed article, comprising heating an aluminum alloy containing Mg at a high temperature of 200°C or above, etching the surface with an aqueous solution containing a chelating agent, and then carrying out anodizing.

Claim 4 (Withdrawn): A method for treating the surface of an aluminum alloy high-temperature processed article, comprising heating an aluminum alloy containing Mg at a high temperature of 200°C or above, etching the surface with an aqueous solution containing a chelating agent, and then carrying out alternating current electrolysis in an aqueous alkali solution.

Claim 5 (Currently Amended): The method according to claim 2, ~~any one of claims 1 to 4~~, wherein the article thus surface-treated is post-treated by coating.

Claim 6 (Withdrawn): A method for treating the surface of an aluminum alloy high-temperature processed article comprising heating an aluminum alloy containing Mg at a high temperature of 200°C or above, etching the surface with an aqueous solution containing a chelating agent, and then carrying out coating.

Claim 7 (Currently Amended): The method according to Claim 1, wherein said chelating agent is selected from the group consisting of ethylenediaminetetraacetic acid or an alkali metal salt thereof and an alkali metal salt of ~~picolinic~~ picolinic acid.

Claim 8 (Original): The method according to Claim 7, wherein said chelating agent is disodium ethylenediaminetetraacetate.

Claim 9 (Previously Presented): The method according to Claim 1, wherein said chelating agent is in a concentration of 0.005 mol/lit.

Claim 10 (Previously Presented): The method according to Claim 1, wherein said chelating agent is in a concentration of from 0.005 mol/lit to 0.5 mol/lit.

Claim 11 (Previous Presented): The method according to Claim 1, wherein said aqueous solution further contains an amine compound.

Claim 12 (Original): The method according to claim 11, wherein said amine compound is triethanolamine.

Claim 13 (Previously Presented): The method according to Claim 1, wherein said etching is carried out at a temperature of from 40°C to 90°C for 3 seconds to 30 minutes.

Claim 14 (Previously Presented): The method according to Claim 1, wherein said Mg is in a content of 2% by weight or more.

Claim 15 (Original): The method according to claim 1, wherein said Mg is in a content of 2% by weight or more, and said hydration oxidation treatment is carried out using a treating solution having 500 ppm or less of sulfuric acid radical ion concentration, 100 ppm or less of phosphoric acid radical ion concentration, 200 ppm or less of an alkali metal salt concentration

and 200 ppm or less of a heavy metal salt concentration, has a pH of 6 to 8 and has a bath temperature of from 80°C to 100°C.

Claim 16 (Withdrawn): The method according to claim 4, wherein said Mg is in a content of 2% by weight or more, and said alternating current electrolysis is carried out in an aqueous alkali solution having a bath temperature of from 30°C to 90°C, for a time of from 20 to 40 seconds and at a quantity of electricity of from 100 to 200 C/dm².

Claim 17 (Currently Amended): A method for treating the surface of an aluminum alloy high-temperature processed article, ~~comprising~~ consisting essentially of processing an aluminum alloy containing Mg at a high temperature of 200°C or above to form the alloy into a processed article ~~having a final shape~~, etching the surface of the processed article by a single step process of exposing the surface to an aqueous solution containing a chelating agent wherein the aqueous solution consists of a solution having a pH of 7 or higher, and then carrying out at least one surface treatment selected from the group consisting of hydration oxidation treatment, coating type chromating, anodizing, alternating current electrolysis in an aqueous alkali solution, and coating, wherein an oxide layer is formed on the surface of the article during the step of processing the aluminum alloy containing Mg, and wherein the oxide layer is decreased or removed by the step of etching the surface of the processed article by a single step process of exposing the surface to an aqueous solution containing a chelating agent.

Claims 18-30 (Canceled)

Claim 31 (New): The method according to claim 17, wherein the article thus surface-treated is post-treated by coating.